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ATTY DOCKET NO.

10624-049-999

APPLICATION NO

10/004,642

APPLICANT

Kois et al.

FILING DATE

December 4, 2001

GROUP

1624

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

date added in previous 1449 DD Yin et al., 1997, "Tissue-specific pattern of stress kinase activation in ischemic/reperfused heart and kidney", *J. of Biol. Chem.* 272:19943-19950.

EXAMINER

R. Raym

DATE CONSIDERED

4-20-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 1 of 3 #6

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,788,195	11/29/88	Torley et al.	514	252	
	AB	4,876,252	10/24/89	Torley et al.	514	224.8	
	AC	4,966,622	10/30/90	Rempfler et al.	71	92	
	AD	4,973,690	11/27/90	Rempfler et al.	514	279	
	AE	5,159,078	10/27/92	Rempfler et al.	544	330	
	AF	5,166,047	11/24/92	Hioki et al.	430	573	
	AG	5,262,527	11/16/93	Gregory et al.	534	797	
	AH	5,489,505	2/6/96	Kato et al.	430	584	
	AI	5,516,775	5/14/96	Zimmerman et al.	514	224.2	
	AJ	5,527,914	6/18/96	Hioli et al.	548	150	
	AK	5,942,384	8/24/99	Arai et al.	430	603	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 98/18782	5/7/98	PCT	—	—		
	AM	WO 01/14375	3/1/01	PCT	—	—		
	AN	WO 01/27089	4/19/01	PCT	—	—		
	AO	WO 00/43373	7/27/00	PCT	—	—		
	AP	WO 98/20003	5/14/98	PCT	—	—		
	AQ	WO 93/08167	4/29/93	PCT	—	—		
	AR	WO 01/12621	2/22/01	PCT	—	—		
	AS	WO 00/75118	12/14/00	PCT	—	—		
	AT	WO 00/39101	7/6/00	PCT	—	—		
	AU	WO 00/56738	9/28/00	PCT	—	—		
	AV	WO 00/15657	3/23/00	PCT	—	—		
	AW	WO 01/91749	12/6/01	PCT	—	—		
	AX	WO 00/12486	3/9/00	PCT	—	—		
	AY	WO 01/29009	4/26/01	PCT	—	—		
	AZ	WO 01/23382	4/5/01	PCT	—	—		
	BA	WO 00/78731	12/28/00	PCT	—	—		
	BB	WO 00/33844	6/15/00	PCT	—	—		
	BC	WO 00/31087	6/2/00	PCT	—	—		
	BD	WO 99/63821	12/16/99	PCT	—	—		

BE	WO 99/01439	1/14/99	PCT				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
AUS 28 2002	BR	Aspenstrom et al., 1996, "Two GTPases, Cdc42 and Rac, bind directly to a protein implicated in the immunodeficiency disorder Wiskott-Aldrich syndrome", <i>Gen. Biol.</i> 6:76-77					
	BSG	Bauerle and Reichel, 1997, "NF-kappa B as a frequent target for immunosuppressive and anti-inflammatory molecules", <i>Advances in Immunology</i> 66:444-437					
	BH	Beg et al., 1995, "Embryonic lethality and liver degeneration in mice lacking the RelA component of NF-kappa B", <i>Nature</i> 376(6536):167-70					
	BI	Bohrer et al., 1997, "Role of NFkappaB in the mortality of sepsis.", <i>J. Clin. Inv.</i> 100:972-985					
	BJ	Brand et al., 1997, "Activated transcription factor nuclear factor-kappa B is present in the atherosclerotic lesion", <i>J Clin Inv.</i> 97:1715-1722					
	BK	Burke et al., 1999, "Peptides corresponding to the N and C termini of IkappaB-alpha, -beta, and -epsilon as probes of the two catalytic subunits of IkappaB kinase, IKK-1 and IKK-2", <i>Journal of Biological Chemistry</i> 274:36146-36152					
	BL	Chen et al., 1996, "Activation and inhibition of the AP-1 complex in human breast cancer cells", <i>Mol. Carcinogenesis</i> 15:215-226					
	BM	Cramer et al., 1999, "A firm hand on NFkappaB: structures of the IkappaBalpha-NFkappaB complex", <i>Structure</i> 7:R1-R6					
	BN	Deacon et al., 1999, "MEK kinase 3 directly activates MKK6 and MKK7, specific activators of the p38 and c-Jun NH2-terminal kinases", <i>J. Biol. Chem.</i> 274:16604-16610					
	BO	Delhase et al., 1999, "Positive and negative regulation of IkappaB kinase activity through IKKbeta subunit phosphorylation", <i>Science</i> 284:309-313					
	BP	Dong et al., 1998, "Defective T cell differentiation in the absence of Jnk1", <i>Science</i> 282:2092-2095					
	BQ	Faris et al., 1996, "Regulation of Interleukin-2 transcription by inducible stable expression of dominant negative and dominant active mitogen-activated protein kinase kinase in Jurkat T cells", <i>J. Biol. Chem.</i> 271:27366-27373					
	BR	Gosset et al., 1995, "Expression of E-selectin, ICAM-1 and VCAM-1 on bronchial biopsies from allergic and non-allergic asthmatic patients", <i>Int Arch Allergy Immunol.</i> 106:69-77					
	BS	Gum et al., 1997, "Regulation of 92 kDa type IV collagenase expression by the jun aminoterminal kinase- and the extracellular signal-regulated kinase-dependent signaling cascades", <i>Oncogene</i> 14:1481-1493					
	BT	Han et al., 1999, "Jun N-terminal kinase in rheumatoid arthritis", <i>J. Pharm. Exp. Therap.</i> 291:124-130					
	BU	Hibi et al., 1993, "Identification of an oncoprotein- and UV-responsive protein kinase that binds and potentiates the c-Jun activation domain", <i>M. Genes Dev.</i> 7:2135-2148					
	BV	Hu et al., 1999, "Abnormal morphogenesis but intact IKK activation in mice lacking the IKKalpha subunit of IkappaB kinase", <i>Science</i> 284:316-320					
	BW	Ishizuka et al., 1997, "Mast cell tumor necrosis factor alpha production is regulated by MEK kinases", <i>Proc. Nat. Acad. Sci. USA</i> 94:6358-6363					
	BX	Karin et al., 1997, "AP-1 function and regulation", <i>Curr Opin Cell Biol</i> 9:240-246.					
	BY	Koch et al., 1995, "Angiogenesis mediated by soluble forms of E-selectin and vascular cell adhesion molecule-1", <i>Nature</i> 376:517-519					
	BZ	Lange-Carter et al., 1993, "A divergence in the MAP kinase regulatory network defined by MEK kinase and Raf.", <i>Science</i> 260:315-319					
	CA	Li et al., 1996, "The Ras-JNK pathway is involved in shear-induced gene expression", <i>Mol. Cell. Biol.</i> 16:5947-5954					
	CB	Li et al., 1999, "IKK1-deficient mice exhibit abnormal development of skin and skeleton", <i>Genes & Development</i> 13:1322-1328					
	CC	Li et al., 1999, "Severe liver degeneration in mice lacking the IkappaB kinase 2 gene.", <i>Science</i> 284:321-324					
	CD	Li et al., 1996, "Blocked signal transduction to the ERK and JNK protein kinases in anergic CD4+ T cells", <i>Science</i> 271: 1272-1276					
	CE	Lin et al., 1995, "Identification of a dual specificity kinase that activates the Jun kinases and p38-Mpk2", <i>Science</i> 268:286-289					
	CF	Mallat et al., 1997, "MAP3K-related kinase involved in NF-kappaB induction by TNF, CD95 and IL-1", <i>Nature</i> 385:540-544					
	CG	Manning et al., "Transcription inhibitors in inflammation", <i>Exp. Opin. Invest. Drugs</i> 6: 333-361					
	CH	Mercurio et al., 1998, "IkappaB kinase (IKK)-associated protein 1, a common component of the heterogeneous IKK complex", <i>Mol Cell Biol.</i> 19:1526-1538					
	CI	Mercurio et al., 1997, "IKK-1 and IKK-2: cytokine-activated IkappaB kinases essential for NF-kappaB activation", <i>Science</i> 278:860-866					
	CJ	Milne et al., 1995, "p53 is phosphorylated in vitro and in vivo by an ultraviolet radiation-induced protein kinase characteristic of the c-Jun kinase, JNK1", <i>J. Biol. Chem.</i> 270:5511-5518					
	CK	Mohit et al., 1995, "p493F12 kinase: a novel MAP kinase expressed in a subset of neurons in the human nervous system", <i>C.A. Neuron</i> 14:67-75					

		Nishino et al., 1997, "Impaired CD28-mediated interleukin-2 production and proliferation in stress kinase SAPK/ERK1 kinase- (GEK1) mitogen-activated protein kinase kinase-4 (MKK4) deficient T lymphocytes", <i>J. Exp. Med.</i> 185:941-953
		Okamoto et al., 1997, "Selective activation of the JNK/AP-1 pathway in Fas-mediated apoptosis of rheumatoid arthritis synovocytes", <i>Arth & Rheum</i> 40: 919-926
	CN	Panes et al., 1995, "Regional differences in constitutive and induced ICAM-1 expression in vivo", <i>Am J Physiol.</i> 269:H1955-H1964
	CO	Peet and Li, 1999, "kappaB kinases alpha and beta show a random sequential kinetic mechanism and are inhibited by staurosporine and quercetin", <i>Journal of Biological Chemistry</i> 274:32655-32661
	CP	Pombo et al., 1994, "The stress-activated protein kinases are major c-Jun amino-terminal kinases activated by ischemia and reperfusion", <i>J. Biol. Chem.</i> 269:26546-26551
	CQ	Raifano et al., 1995, "The Bcr-Abl leukemia oncogene activates Jun kinase and requires Jun for transformation", <i>Proc. Nat. Acad. Sci USA</i> 92:11748-11750
	CR	Sabapathy et al., 1999, "JNK2 is required for efficient T-cell activation and apoptosis but not for normal lymphocyte development", <i>Curr Biol</i> 9:116-125
	CS	Su et al., 1994, "JNK is involved in signal integration during costimulation of T lymphocytes", <i>Cell</i> 77:727-736
	CT	Swanek et al., 1997, "Jun N-terminal kinase/stress-activated protein kinase (JNK/SAPK) is required for lipopolysaccharide stimulation of tumor necrosis factor alpha (TNF-alpha) translation: glucocorticoids inhibit TNF-alpha translation by blocking JNK/SAPK", <i>Mol. Cell. Biol.</i> 17:6274-6282
	CU	Szabo et al., "Altered cJUN expression: an early event in human lung carcinogenesis" <i>Cancer Res.</i> 56:305-315, 1996
	CV	Takeda et al., 1999, "Limb and Skin Abnormalities in Mice Lacking IKK α ", <i>Science</i> 84:313-316, 1999
	CW	Tanaka et al., 1999, "Embryonic lethality, liver degeneration, and impaired NF-kappa B activation in IKK-beta-deficient mice", <i>Immunity</i> 10:421-429
	CX	Teramoto et al., 1996, "Signaling from the small GTP-binding proteins Rac1 and Cdc42 to the c-Jun N-terminal kinase/stress-activated protein kinase pathway. A role for mixed lineage kinase 3/protein-tyrosine kinase 1, a novel member of the mixed lineage kinase family", <i>J. Biol. Chem.</i> 271:27225-27228
	CY	Tourmier et al., 1997, "Mitogen-activated protein kinase kinase 7 is an activator of the c-Jun NH2-terminal kinase", <i>Proc. Nat. Acad. Sci. USA</i> 94:7337-7342
	CZ	Whitmarsh et al., 1996, "Transcription factor AP-1 regulation by mitogen-activated protein kinase signal transduction pathways", <i>J. Mol. Med.</i> 74:589-607
	DA	Yan et al., 1994, "Activation of stress-activated protein kinase by MEKK1 phosphorylation of its activator SEK1", <i>Nature</i> 372:798-800
	DB	Yang et al., 1998, "Differentiation of CD4 ⁺ T cells to Th1 cells requires MAP kinase JNK2", <i>Immunity</i> , 9:575-585
	DC	Yaron et al., 1998, "Identification of the receptor component of the IkappaBalpha-ubiquitin ligase", <i>Nature</i> 396:590-594
	DD	Yin et al., "Tissue-specific pattern of stress kinase activation in ischemic/reperfused heart and kidney", <i>J. Biol. Chem.</i> 272:19943-19950, (1997).
	DE	Yujiri et al., 1998, "Role of MEKK1 in cell survival and activation of JNK and ERK pathways defined by targeted gene disruption", <i>Science</i> 282:1911-1914
	DF	Zwacka et al., 1998, "Redox gene therapy for ischemia/reperfusion injury of the liver reduces AP1 and NF-kappaB activation.", <i>Nature Medicine</i> 4:698-704

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